

For Research Use Only

NEU2 Recombinant antibody

Catalog Number: 83934-2-RR



Basic Information

Catalog Number: 83934-2-RR	GenBank Accession Number: BC107053	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 4759	CloneNo.: 240685C12
Source: Rabbit	UNIPROT ID: Q9Y3R4	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: sialidase 2 (cytosolic sialidase)	
Immunogen Catalog Number: AG17386	Calculated MW: 380 aa, 42 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : PC-12 cells,
Species Specificity: human	

Background Information

NEU2, also named as Sialidase 2, neuraminidase 2, catalyzes the hydrolytic cleavage of the terminal sialic acid (N-acetylneuraminic acid, Neu5Ac) of a glycan moiety in the catabolism of glycolipids, glycoproteins and oligosaccharides. NEU2 is localized in the cytosol and plasma membrane and takes part in myoblast and neuronal differentiation. It is almost undetectable under normal physiological conditions, and was found to be involved into apoptotic events in pancreatic ductal adenocarcinoma, one of the most dangerous cancers due to poor diagnosis and prognosis. (PMID: 30439363)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

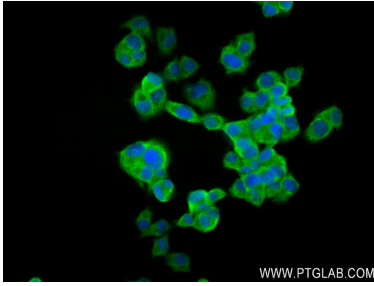
T: 4006900926

E: Proteintech-CN@ptglab.com

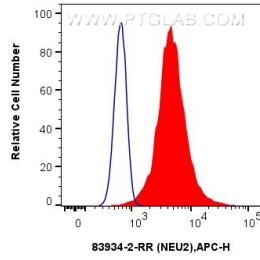
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using NEU2 antibody (83934-2-RR, Clone: 240685C12) at dilution of 1:250 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ A549 cells were intracellularly stained with 0.25 ug Neu2 Recombinant Antibody (83934-2-RR, Clone:240685C12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).